## Study Guide Practice for Mid-Unit Assessment

1. A kangaroo hops 2 kilometers in 3 minutes. At this rate:
   1. How long does it take the kangaroo to travel 5 kilometers?
   2. How far does the kangaroo travel in 2 minutes?
2. Mai runs around a 400-meter track at a constant speed of 250 meters per minute. How many minutes does it take Mai to complete 4 laps of the track? Explain or show your reasoning.
3. There are 4 tablespoons in cup. There are 2 cups in 1 pint. How many tablespoons are there in 1 pint? If you get stuck, consider drawing a double number line or making a table.
4. At 10:00 a.m., Han and Tyler both started running toward each other from opposite ends of a 10-mile path along a river. Han runs at a pace of 12 minutes per mile. Tyler runs at a pace of 15 minutes per mile.
   1. How far does Han run after a half hour? After an hour?
   2. Do Han and Tyler meet on the path within 1 hour? Explain or show your reasoning.
5. Two skateboarders start a race at the same time. Skateboarder A travels at a steady rate of 15 feet per second. Skateboarder B travels at a steady rate of 22 feet per second. After 4 minutes, how much farther will Skateboarder B have traveled? Explain your reasoning.